CLAIMS

1. Paver, including a paving screed having at least one working component in the form of a smoothing plate comprising:

at least one electric heating element secured in heat transferring condition in a heating area of said working component, wherein said at least one heating element is a planar heating element comprising;

a planar carrier;

a heating coil forming a heating conductor wound in a spiral around said planar carrier, the peripheral contour of said carrier and/or the winding density or the course of the windings of said heating conductor adapted to produce a predetermined heating picture in the heating area of said working compound.

2. Paver as in claim 1, wherein said heating conductor has a band-shaped cross-section with a band width between 1.0 mm and 4.0 mm and a band thickness between about 0.1 mm and 0.4 mm.

3. Paver as in claim, 1 wherein the windings of said heating conductor are spaced from each other, and the winding density is one of constant over the length of said carrier or varies over the length of said carrier respectively.

4. Paver as in claim 1, further comprising at least one further heating conductor wound around said carrier, said further heating conductor adapted to further be connected to a power supply.

5. Paver as in claim 1, further comprising a damp course provided in the interior of a housing element at least at the side of said carrier onto which the heating conductor is wound and which is opposite to the heating area of said working compound.

6. Paver as in claim 1, wherein said carrier around which said heating conductor is wound is enclosed between cover sheets.

7. Paver as in claim 1, wherein said planar heating element has a total thickness between about 4.0 mm and 10.0 mm, and said carrier, around which said at

least one heating conductor is wound, has a substantially uniform thickness in the range between about 1.0 mm and 3.0 mm.

8. Paver as in claim 1, wherein said planar heating element has a length between about 0.9 m to 1.2 m and a width of between about 50 mm to 100 mm, and has a power consumption of between about 500 watts and 1,000 watts, preferably of about 600 watts.

9. Paver as in claim 1, wherein said planar heating element further comprises breakouts for accepting fastening elements of said working component, said breakouts penetrating said carrier between spaced apart windings of said heating conductor.

10. Paver as in claim 6, further comprising:

spacing elements on one of said cover sheets;

a connection box fixed to the side of said planar heating element which is opposite to the heating area on said spacing elements and a sealed introduction for a connection cable provided in a side wall of said connection box which introduction is oriented substantially horizontal in the operating position of said heating element of said working component.

11. Paver as in claim 6 wherein said cover sheets are of metal and the lower cover sheet forms a heat distributing intermediate member or is abutting on a heat distributing intermediate member respectively, said cover sheets being sealed and connected with each other in the edge region of the heating element around the periphery of said cover sheets.

12. Paver as in claim 1 wherein said heating element further comprises two carrier material strips extending longitudinally and are juxtaposed, at least one of said strips having a cut-out in its edges as the boundary of a breakout, and said healing conductor being wound around the edge of the cut-out.

13. Paver as in claim 1, wherein said working compound is a metal smoothing plate that is to contact the paving laid by the paver.

14. A planar heating element for a working component of a paver, particularly of a smoothing plate comprising:

a planar carrier;

a first and at least one second heating conductor for selective supply with current;

said first and second heating conductors being wound in spiral windings around said carrier, the outer contour form of said carrier and/or the winding density and/or the course of the windings of said heating conductor adapted to produce a predetermined heating picture within the heating area, respectively.